



CFP2000 Result

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Hewlett-Packard Company

ProLiant ML350 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 46.0

SPECfp_rate_base2000 = 45.3

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jun-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	54.4	68.2	2	54.4	68.2
171.swim	2	225	31.9	2	225	31.9
172.mgrid	2	162	25.8	2	162	25.8
173.applu	2	148	32.8	2	148	32.8
177.mesa	2	51.7	62.8	2	50.0	65.0
178.galgel	2	53.6	126	2	53.6	126
179.art	2	51.5	117	2	51.5	117
183.quake	2	64.5	46.7	2	64.6	46.7
187.facerec	2	82.9	53.2	2	82.8	53.2
188.amp	2	146	35.1	2	122	41.9
189.lucas	2	147	31.7	2	146	31.8
191.fma3d	2	137	35.5	2	137	35.5
200.sixtrack	2	93.3	27.4	2	93.4	27.3
301.apsi	2	182	33.1	2	182	33.1

Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KBI + 32KBD (on chip) per core
Secondary Cache: 4096KB(I+D) (on chip) shared
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC2-5300F
Disk Subsystem: 1x146GB 15K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smartheap Library 7.0
File System: NTFS
System State: Default

Notes/Tuning Information

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Base tuning for Fortran programs: -fast -Qansi_alias +FDO

Base tuning for C programs: -fast +FDO shlw32M.lib

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -fast -Qansi_alias +FDO

171.swim: -fast +FDO ONESTEP=yes

172.mgrid: -fast -Qansi_alias +FDO

173.applu: basepeak=1

177.mesa: -fast +FDO ONESTEP=yes

178.galgel: basepeak=1

179.art: basepeak=1

183.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib

187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes



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Notes/Tuning Information (Continued)

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188. ammp:      -fast -Qansi_alias          +FDO
189. lucas:     -fast
191. fma3d:     basepeak=1
200. sixtrack: -fast          +FDO
301. apsi:     basepeak=1
BIOS Configuration Notes
Power Regulator set to Static High Performance Mode
```